

FORM PTO-1449		ATTY. DOCKET NO. 0942.285001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
<u>SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</u>		APPLICANT(S) Shartley et al.	
		FILING DATE January 30, 2002	ART UNIT 1636
U.S. PATENT DOCUMENTS			

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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<i>M</i>	AI23	6,040,138	03/21/2000	Lockhart et al.			09/15/1995
<i>M</i>	AJ23	6,303,301	10/16/2001	Mack			05/29/1998
<i>M</i>	AK23	6,309,822	10/30/2001	Fodor et al.			12/23/1996

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
<i>M</i>	AN24	WO 01/68836	09/20/2001	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
<i>M</i>	AT	213	Baum, J.A., "Tn5401, a New Class II Transposable Element From <i>Bacillus thuringiensis</i> ," <i>J. Bacteriol.</i> 176:2835-2845, American Society for Microbiology (1994)

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				ATTY. DOCKET NO. 10942.285000I/RWE/BJD/JKM	APPLICATION NO. 10/058,291		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
M	AA24	6,333,155	12/25/2001	Lockhart et al.			12/18/1998
M	AB24	6,544,790	04/08/2003	Sabatini			09/18/2000
M	AC24	2002/0162126	10/31/2002	Beach et al.			05/24/2001
M	AD24	2003/0135888	07/17/2003	Zhu et al.			09/26/2002
M	AE24	2003/0175772	09/18/2003	Wang			12/26/2002
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
M	AR	214	Short, J.M., et al., "λ ZAP: a bacteriophage λ expression vector with <i>in vivo</i> excision properties," <i>Nucleic Acids Res.</i> 16:7583-7600, Oxford University Press (1988)				
	AS						
	AT						
EXAMINER				DATE CONSIDERED 4/10/05			
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N	AA20	4,808,537	02/28/1989	Stroman <i>et al.</i>			10/30/1984
	AB20	4,855,231	08/08/1989	Stroman <i>et al.</i>			09/25/1985
	AC20	4,959,217	09/25/1990	Sanders <i>et al.</i>			05/22/1986
	AD20	5,451,513	09/19/1995	Maliga <i>et al.</i>			08/25/1993
	AE20	5,654,182	08/05/1997	Wahl <i>et al.</i>			06/07/1995
	AF20	6,066,778	05/23/2000	Ginsburg <i>et al.</i>			11/06/1996
	AG20	2002/0007051	01/17/2002	Cheo <i>et al.</i>			12/11/2000
	AH20	2002/0068290	06/06/2002	Yarovinsky			05/31/2001
	AI20	2002/0094574	07/18/2002	Hartley <i>et al.</i>			05/16/2001
	AJ20	2002/0106797	08/08/2002	Miles <i>et al.</i>			03/12/2001
P	AK20	2002/0172997	11/21/2002	Hartley <i>et al.</i>			07/19/2001

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL20	FR 2 670 502	06/19/1992	France			Yes X No
	AM20	WO 92/10577	06/25/1992	WIPO			Yes X No
M	AN20	WO 94/20604	09/15/1994	WIPO			Yes No
	AO20	WO 96/19497	06/27/1996	WIPO			Yes No
KA	AP20	WO 00/29000	05/25/2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	200	Agah, R., <i>et al.</i> , "Gene Recombination in Postmitotic Cells. Targeted Expression of Cre Recombinase Provokes Cardiac-restricted, Site-specific Rearrangement in Adult Ventricular Muscle In Vivo," <i>J. Clin. Invest.</i> 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997)
AS	200	Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> 290:304-310, Macmillan Journals, Ltd. (1981)
AT	200	Botstein, D., <i>et al.</i> , "Making Mutations In Vitro and Putting Them Back Into Yeast," in <i>From Gene to Protein: Translation into Biotechnology</i> , Ahmad, F., <i>et al.</i> , eds., Academic Press, New York, NY, pp. 265-274 (1982)

EXAMINER	DATE CONSIDERED
12	4/11/03

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<i>W</i>	AA21	2002/0182731	12/05/2002	Ji <i>et al.</i>			01/25/2002
	AB21	2002/0192819	12/19/2002	Hartley <i>et al.</i>			07/19/2001
	AC21	2003/0027289	02/06/2003	Farmer			04/05/2002
	AD21	2003/0054552	03/20/2003	Hartley <i>et al.</i>			01/30/2002
	AE21	2003/0054555	03/20/2003	Farmer <i>et al.</i>			09/17/2002
	AF21	2003/0059900	03/27/2003	Farmer			01/17/2002
	AG21	2003/0064515	04/03/2003	Hartley <i>et al.</i>			01/30/2002
	AH21	2003/0068799	04/10/2003	Hartley <i>et al.</i>			06/06/2002
	AI21	2003/0077804	04/24/2003	Byrd <i>et al.</i>			04/19/2002
	AJ21	2003/0100110	05/29/2003	Hartley <i>et al.</i>			11/02/1999
<i>M</i>	AK21	2003/0124555	07/03/2003	Brasch <i>et al.</i>			05/21/2002
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>M</i>	AL21	WO 00/52027	09/08/2000	WIPO			Yes
	AM21	WO 00/52141	09/08/2000	WIPO			No
	AN21	WO 01/25466	04/12/2001	WIPO			Yes
	AO21	WO 01/31039	05/03/2001	WIPO			No
<i>M</i>	AP21	WO 01/42509	06/14/2001	WIPO			Yes
							No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	201	Broach, J.R., "The Yeast Plasmid 2 μ Circle," <i>Cell</i> 28:203-204, MIT (1982)				
	AS	201	Cenatiempo, Y., "Prokaryotic gene expression <i>in vitro</i> : transcription-translation coupled systems," <i>Biochimie</i> 68:505-515, Elsevier (1986)				
<i>M</i>	AT	201	Christiansen, B., <i>et al.</i> , "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," <i>J. Bacteriol.</i> 178:5164-5173, American Society for Microbiology (September 1996)				
EXAMINER <i>M</i>					DATE CONSIDERED <i>2/11/02</i>		
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
M	AA22	2003/0153055	08/14/2003	Miles <i>et al.</i>			02/20/2003
	AB22	2003/0157662	08/21/2003	Gerard <i>et al.</i>			11/13/2002
	AC22	2003/0157716	08/21/2003	Hartley <i>et al.</i>			11/02/2001
	AD22	2003/0175970	09/18/2003	Hartley <i>et al.</i>			11/21/2002
	AE22	2003/0176644	09/18/2003	Byrd <i>et al.</i>			02/07/2002
	AF22	2003/0186233	10/02/2003	Chesnut <i>et al.</i>			12/07/2001
	AG22	2003/0220249	11/27/2003	Hackett <i>et al.</i>			02/07/2003
	AH22	2004/0040053	02/26/2004	Nomura <i>et al.</i>			11/22/2002
	AI22	2004/0053412	03/18/2004	Hartley <i>et al.</i>			03/26/2003
	AJ22	2004/0063207	04/01/2004	Hartley <i>et al.</i>			10/08/2003
M	AK22	6,720,140	04/13/2004	Hartley <i>et al.</i>			02/04/2000

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
M	AL22	WO 02/08391	01/31/2002	WIPO			Yes No
	AM22	WO 02/16594	02/28/2002	WIPO			Yes No
	AN22	WO 02/46372	06/13/2002	WIPO			Yes No
	AO22	WO 02/061034	08/08/2002	WIPO			Yes No
	AP22	WO 02/62957	08/15/2002	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

M	AR	202	Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the Junction of the Circular Form of the <i>Clostridium perfringens</i> Transposon Tn441;" <i>J. Bacteriol.</i> 179:5148-5156, American Society for Microbiology (August 1997)
	AS	202	Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA</i> 95:2152-2157, National Academy of Sciences (March 1998)
	AT	202	Golic, K.G. and Golic, M.M., "Engineering the Drosophila Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of America (1996)

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<i>W</i>	AA23	2004/0171156	09/02/2004	Hartley <i>et al.</i>			04/02/2004
	AB23	2004/0171157	09/02/2004	Hartley <i>et al.</i>			04/08/2004
	AC23	2004/0219516	11/04/2004	Bennett <i>et al.</i>			07/18/2003
	AD23	2004/0219673	11/04/2004	Hartley <i>et al.</i>			03/10/2004
	AE23	2004/0229229	11/18/2004	Cheo <i>et al.</i>			08/14/2003
	AF23	2004/0253631	12/16/2004	Hartley <i>et al.</i>			07/19/2004
	AG23	2004/0265863	12/30/2004	Chesnut <i>et al.</i>			03/04/2004
<i>W</i>	AH23	2005/0009091	01/13/2005	Hartley <i>et al.</i>			08/19/2004
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<i>M</i>	AL23	WO 02/86144	10/31/2002	WIPO			Yes
	AM23	WO 02/095055	11/28/2002	WIPO			No
	AN23	WO 03/025161	03/27/2003	WIPO			Yes
	AO23	WO 03/044207	05/30/2003	WIPO			No
<i>M</i>	AP23	WO 03/103600	12/18/2003	WIPO			Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>203</u>	Gottesman, S., "Bacterial Regulation: Global Regulatory Networks," <i>Ann. Rev. Genet.</i> 18:415-441, Annual Reviews, Inc. (1984)
	AS	<u>203</u>	Guo, F., <i>et al.</i> , "Structure of Cre recombinase complexed with DNA in a site-specific recombination synapse," <i>Nature</i> 389:40-46, Nature Publishing Group (September 1997)
	AT	<u>203</u>	Hallet, B. and Sherratt, D.J., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements," <i>FEMS Microbiol. Rev.</i> 21:157-178, Elsevier Science B.V. (September 1997)

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M	AL24	WO 04/009768	01/29/2004	WIPO			Yes No
M	AM24	WO 04/013290	02/12/2004	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

M	AR	204	Hamer, D.H. and Walling, M., "Regulation <i>In Vivo</i> of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <i>J. Mol. Appl. Genet.</i> 1:273-288, Raven Press (1982)
/	AS	204	Hanks, S.K. and Hunter, T., "The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification," <i>FASEB J.</i> 9:576-596, The Federation of American Societies for Experimental Biology (May 1995)
M	AT	204	Huang, L-C., <i>et al.</i> , "Convenient and Reversible Site-Specific Targeting of Exogenous DNA into a Bacterial Chromosome by Use of the FLP Recombinase: the FLIRT System," <i>J. Bacteriol.</i> 179:6076-6083, American Society for Microbiology (October 1997)

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	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>RL</i>	AR	205	John, Jr., J.F. and Twitty, J.A., "Plasmids as Epidemiologic Markers in Nosocomial Gram-Negative Bacilli: Experience at a University and Review of the Literature," <i>Rev. Infect. Dis.</i> 8:693-704, University of Chicago (1986)
<i>/</i>	AS	205	Johnston, S.A. and Hopper, J.E., "Isolation of the yeast regulatory gene <i>GAL4</i> and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982)
<i>M</i>	AT	205	Kendall, K.J. and Cohen, S.N., "Plasmid Transfer in <i>Streptomyces lividans</i> : Identification of a <i>kil-kor</i> System Associated with the Transfer Region of pIJ101," <i>J. Bacteriol.</i> 169:4177-4183, American Society for Microbiology (1987)

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	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>206</u>	Lyznik, L.A., <i>et al.</i> , "Activity of yeast FLP recombinase in maize and rice protoplasts," <i>Nucleic Acids Res.</i> 21:969-975, Oxford University Press (1993)
<i>/</i>	AS	<u>206</u>	Maniatis, T., "Recombinant DNA Procedures in the Study of Eukaryotic Genes," in <i>Cell Biology: A Comprehensive Treatise, Volume 3, Gene Expression: The Production of RNA's</i> , Goldstein, L., and Prescott, D.M., eds., Academic Press, Inc., New York, NY, pp. 563-608 (1980)
<i>M</i>	AT	<u>206</u>	Mayer, B.J. and Baltimore, D., "Signalling through SH2 and SH3 domains," <i>Trends Cell Biol.</i> 3:8-13, Elsevier Science (1993)

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	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	207	McKnight, S.L., "Functional Relationships between Transcriptional Control Signals of the Thymidine Kinase Gene of Herpes Simplex Virus," <i>Cell</i> 31:355-365, MIT (1982)				
<i>/</i>	AS	207	Nunes-Düby, S.E., <i>et al.</i> , " λ Integrase cleaves DNA <i>in cis</i> ," <i>EMBO J.</i> 13:4421-4430, Oxford University Press (1994)				
<i>A</i>	AT	207	Odell, J., <i>et al.</i> , "Site-directed recombination in the genome of transgenic tobacco," <i>Mol. Gen. Genet.</i> 223:369-378, Springer-Verlag (1990)				
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>PL</i>	AR	<u>208</u>	Peterson, B.O. and Shuman, S., "Histidine 265 Is Important for Covalent Catalysis by Vaccinia Topoisomerase and Is Conserved in All Eukaryotic Type I Enzymes," <i>J. Biol. Chem.</i> 272:3891-3896, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)
<i>/</i>	AS	<u>208</u>	Rausch, H. and Lehmann, M., "Structural analysis of the actinophage ΦC31 attachment site," <i>Nucleic Acids Res.</i> 19:5187-5189, IRL Press (1991)
<i>/</i>	AT	<u>208</u>	Sadowski, I., <i>et al.</i> , "A Noncatalytic Domain Conserved among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 ^{gag-ps} ," <i>Mol. Cell. Biol.</i> 6:4396-4408, American Society for Microbiology (1986)

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FORM PTO-1449 <u>SIXTH SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>			ATTY. DOCKET NO. 0942.285001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
			APPLICANT(S) Hartley <i>et al.</i>	FILING DATE January 30, 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>209</u>	Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990)
<i>/</i>	AS	<u>209</u>	Senecoff, J.F., <i>et al.</i> , "The FLP recombinase of the yeast 2-μm plasmid: Characterization of its recombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of Sciences (1985)
<i>R</i>	AT	<u>209</u>	Shaikh, A.C. and Sadowski, P.D., "The Cre Recombinase Cleaves the lox Site in <i>trans</i> ," <i>J. Biol. Chem.</i> 272:5695-5702, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)

EXAMINER *[Signature]*DATE CONSIDERED *4/9/05*

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>PL</i>	AR	<u>210</u>	Shirai, M., <i>et al.</i> , "Site-Specific Integration of the Actinophage R4 Genome into the Chromosome of <i>Streptomyces parvulus</i> upon Lysogenization," <i>J. Bacteriol.</i> 173:4237-4239, American Society for Microbiology (1991)
<i>PL</i>	AS	<u>210</u>	Shuman, S., <i>et al.</i> , "Characterization of Vaccinia Virus DNA Topoisomerase I Expressed in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 263:16401-16407, The American Society for Biochemistry and Molecular Biology, Inc. (1988)
<i>PL</i>	AT	<u>210</u>	Shuman, S., "Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:11372-11379, The American Society for Biochemistry and Molecular Biology, Inc. (1991)

EXAMINER	<i>PL</i>	DATE CONSIDERED
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>PL</i>	AR	<u>211</u>	Shuman, S., "Erratum: Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA. Minimal DNA Substrate for Strand Cleavage <i>In Vitro</i> ," <i>J. Biol. Chem.</i> 266:20576-20577, The American Society for Biochemistry and Molecular Biology, Inc. (1991)
<i>/</i>	AS	<u>211</u>	Silver, P.A., <i>et al.</i> , "Amino terminus of the yeast GAL4 gene product is sufficient for nuclear localization," <i>Proc. Natl. Acad. Sci. USA</i> 81:5951-5955, National Academy of Sciences (1984)
<i>W</i>	AT	<u>211</u>	Stark, W.M., <i>et al.</i> , "Catalysis by site-specific recombinases," <i>Trends Genet.</i> 8:432-439, Elsevier Science (1992)

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>4/10/03</i>
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

/	AR	212	Ulmanen, I., <i>et al.</i> , "Transcription and Translation of Foreign Genes in <i>Bacillus subtilis</i> by the Aid of a Secretion Vector," <i>J. Bacteriol.</i> 162:176-182, American Society for Microbiology (1985)
/	AS	212	van Deursen, J., <i>et al.</i> , "Cre-mediated site-specific translocation between nonhomologous mouse chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 92:7376-7380, National Academy of Sciences (1995)
/	AT	212	Ward, J.M., <i>et al.</i> , "Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986)

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			APPLICANT(S) Hartley et al.				
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>M</i>	AR	<u>213</u>	Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," 4 pages, accessed September 27, 2002, available at: http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554				
<i>L</i>	AS	<u>213</u>	Dialog File 351, Derwent World Patent Index, Unverified English Language Abstract for French Patent No. FR 2 670 502 (Document AL20) and PCT Patent No. WO 92/10577 (Document AM20), WPI Accession No. 9107201				
	AT						
EXAMINER <i>12</i>					DATE CONSIDERED <i>4/09/05</i>		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449		C D A T T Y, D O C K E T N O . 0942.285001/RWE/BJD/JKM		A P P L I C A T I O N N O . 10/058,291	
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		A P P L I C A T I O N S Hartley et al.			
TRADEMARK OFFICE		F I L I N G D A T E January 30, 2002		A R T U N I T 1636	

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	AL						Yes No
	AM						Yes No
U	AN9	WO 02/00875	01/03/2002	WIPO			Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR						
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U	AT	111	Ball, C.A., and Johnson, R.C., "Efficient Excision of Phage λ from the <i>Escherichia coli</i> Chromosome Requires the Fis Protein," <i>J. Bacteriol.</i> 173: 4027-4031, American Society for Microbiology (July 1991)				

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449		JATTY, DOCKET NO. FEB 18 2005 E1942.285001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT(S) Hartley et al.	
		FILING DATE January 30, 2002	ART UNIT 1636

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	112	Institut Pasteur Website, Introduction: http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html (accessed 6/19/2003)
AS	112	Institut Pasteur Website, Figure 1: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html (accessed 6/19/2003)
AT	112	Institut Pasteur Website, Figure 2: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html (accessed 6/19/2003)

EXAMINER: <i>[Signature]</i>	DATE CONSIDERED: <i>4/18/03</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

FORM PTO-1449	FEB 18 2005	ATTY. DOCKET NO. 0942.2850001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT(S) Hartley et al.	
		FILING DATE January 30, 2002	ART UNIT 1636

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	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	113	Institut Pasteur Website, Figure 3 http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html (accessed 6/19/2003)
AS	113	Institut Pasteur Website, Main page. http://www.pasteur.fr/recherche/unites/pmtg (accessed 6/19/2003)
AT	113	Kuempel, P., et al., "Use of a transposon (Tndif) to obtain suppressing and nonsuppressing insertions of the dif resolvase site of <i>Escherichia coli</i> ," <i>Genes & Development</i> 10:1162-1171, Cold Spring Harbor Laboratory Press (May 1, 1996)

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		APPLICANT(S) Hartley <i>et al.</i>	
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>h</i>	AR	<u>114</u>	Lee, M.H., <i>et al.</i> , "Site-specific integration of mycobacteriophage L5: Integration-proficient vectors for <i>Mycobacterium smegmatis</i> , <i>Mycobacterium tuberculosis</i> , and bacille Calmette-Guérin," <i>Proc. Natl. Acad. Sci. USA</i> 88:3111-3115, National Academy of Sciences (1991)
<i>/</i>	AS	<u>114</u>	Lenski, R.E., <i>et al.</i> , "Genetic Analysis of a Plasmid-Encoded, Host Genotype-Specific Enhancement of Bacterial Fitness," <i>J. Bacteriol.</i> 176:3140-3147, American Society For Microbiology (1994)
<i>h</i>	AT	<u>114</u>	Manning, P.A., <i>et al.</i> , "Gene Capture in <i>Vibrio cholera</i> ," <i>Trends in Microbiology</i> 7:93-95, Elsevier Science (1999)

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FORM PTO-1449 FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>115</u>	Murayama, N., <i>et al.</i> "Evidence for Involvement of <i>Escherichia coli</i> Genes <i>pmbA</i> , <i>csrA</i> and a Previously unrecognized Gene <i>tldD</i> , in the Control of DNA Gyrase by <i>letD</i> (<i>ccdB</i>) of Sex Factor F," <i>J. Mol. Biol.</i> 256:483-502 Academic Press Limited (March 1, 1996)
<i>/</i>	AS	<u>115</u>	Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccinia DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, American Society for Biochemistry and Molecular Biology, Inc. (1994)
<i>H</i>	AT	<u>115</u>	Stuurman, J., <i>et al.</i> , "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molecular Biology</i> 32:901-913, Kluwer Academic Publishers (November 27, 1996)

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FORM PTO-1449	CITY. DOCKET NO. 10942.285001/RWE/BJD/JKM		APPLICATION NO. 10/058,291
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT(S) Sartley et al.	
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	116	Zechiedrich, E.L., et al., "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997)
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FORM PTO-1449		ATTY. DOCKET NO. 0942.28500I/RWE/BJD/JKM	APPLICATION NO. 10/058,291
FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT(S) Hartley <i>et al.</i>	
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	AP						Yes No

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<i>N</i>	AS	116	Bruckner, R.C., and Cox, M.M., "The Histone-like H Protein of <i>Escherichia coli</i> is a ribosomal protein s3," <i>Nucl. Acids Res.</i> 17:3145-3161, Oxford University Press (1989)	
<i>M</i>	AT	116	Hartley, J.L., <i>et al.</i> , "DNA Cloning Using In Vitro Site-Specific Recombination," <i>Genome Res.</i> 10:1788-1795, Cold Spring Harbor Laboratory Press (November 2000)	

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FORM PTO-1440 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.285000I/RWE/BJD/JKM	APPLICATION NO. 10/058,291
		APPLICANT(S) Hartley <i>et al.</i>	FILING DATE January 30, 2002

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>117</u>	Heyman, J.A., <i>et al.</i> , "Genome-Scale Cloning and Expression of Individual Open Reading Frames Using Topoisomerase I-Mediated Ligation," <i>Genome Res.</i> 9:383-392, Cold Spring Harbor Laboratory Press (April 1999)
<i>J</i>	AS	<u>117</u>	Ohara, O., and Temple, G., "Directional cDNA library construction assisted by the <i>in vitro</i> recombination reaction," <i>Nucl. Acids Research</i> 29:e22(1-8), Oxford University Press (February 2001)
<i>M</i>	AT	<u>117</u>	Russell, M., "A recombination-based cloning system that decreases time to protein analysis," <i>Am. Biotechnol. Lab.</i> 18:8,10, International Scientific Communications, Inc. (June 2000)

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FORM PTO-1449 <u>FIFTH SUPPLEMENTAL</u> <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.285001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
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	AN						Yes
	AO						No
	AP						Yes
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<i>AS</i>	AR	118	Sinclair, B., "Honing Your Cloning." <i>The Scientist</i> 14:29-32, The Scientist Inc. (August 21, 2000) available at: http://www.the-scientist.com/yr2000/aug/profile1_000821.html
<i>/</i>	AS	118	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html (accessed July 7, 2004)
<i>AS</i>	AT	118	Invitrogen Online Catalog, "The Echo™ Cloning System: The Future of Cloning is Here," available at: http://invitrogen.com/content.cfm?pageid=3371&cfid=16767784&cftoken=62396683 (accessed July 7, 2004)

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FORM PTO-1449 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.285001/RWE/BJD/JKM	APPLICATION NO. 10/058,291
		APPLICANT(S) Hartley <i>et al.</i>	
		FILING DATE January 30, 2002	ART UNIT 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>RR</i>	AR	119	Office Action for U.S. Patent Application No. 09/907,719, mailed on July 13, 2004	<i>Not Rev publ'd</i>
<i>J</i>	AS	119	Office Action for U.S. Patent Application No. 09/432,083, mailed on July 16, 2004	
<i>M</i>	AT	119	Office Action for U.S. Patent Application No. 10/058,292, mailed on September 22, 2004	

EXAMINER

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7/10/05

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	AN						Yes
	AO						No
	AP						Yes
							No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>AS</i>	AR	<u>120</u>	<i>Office Action for U.S. Patent Application No. 09/855,797, mailed on October 1, 2004</i>				
	AS	<u>120</u>	<i>Office Action for U.S. Patent Application No. 09/695,065, mailed on October 27, 2004</i>				
<i>AS</i>	AT	<u>120</u>	<i>Office Action for U.S. Patent Application No. 10/820,133 mailed on November 17, 2004</i>				
EXAMINER <i>[Signature]</i>				DATE CONSIDERED <i>4/12/05</i>			
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>h</i>	AR	121	Office Action for U.S. Patent Application No. 09/907,719 mailed on December 28, 2004	<i>Not For Publish</i>
<i>l</i>	AS	121	Office Action for U.S. Patent Application No. 09/432,085, mailed on December 28, 2004	
<i>m</i>	AT	121	Office Action for U.S. Patent Application No. 10/796,868, mailed on January 25, 2005	

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>AS</i>	AR	122	U.S. Patent Application No. 09/984,239, Brasch <i>et al.</i> , filed October 29, 2001 <i>(NOT PUBLISHED)</i>				<i>Not for Publishing (NFP)</i>
	AS	122	U.S. Patent Application No. 10/633,690, Byrd <i>et al.</i> , filed August 5, 2003 <i>(NOT PUBLISHED)</i>				
<i>AT</i>	AT	122	U.S. Patent Application No. 10/877,952, Welch <i>et al.</i> , filed July 28, 2004 <i>(NOT PUBLISHED)</i>				

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>R</i>	AR	<u>123</u>	U.S. Patent Application No. 10/913,501, Chesnut <i>et al.</i> , filed August 9, 2004 (NOT PUBLISHED)	<i>Not For publication</i>
<i>J</i>	AS	<u>123</u>	U.S. Patent Application No. 10/970,635, Hanson, filed October 22, 2004 (NOT PUBLISHED)	
<i>A</i>	AT	<u>123</u>	U.S. Patent Application No. 11/000,371, Chesnut <i>et al.</i> , filed December 1, 2004 (NOT PUBLISHED)	

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